

Dominican Republic

John Rogers (Global Transition Group)



Total population = 7.5 million
400,000 unelectrified homes, significant need for clean water and power land area = 45,000 km²

Dominican Republic Rural Energy Delivery

- Since the mid-1980s, the Dominican Republic has experienced various initiatives employing renewable energy, primarily photovoltaics, for rural energy delivery.
- Rural energy delivery is strongly market-oriented.
- The emphasis has been on the creation of sustainable commercial infrastructures for the delivery of products, services, and financing.

PV Fee-For-Service Operation

- Soluz Dominicana, s.a.
- PV fee-for-service operations are offering stand-alone PV systems and serving 1,620 as of 9/98
- Began in 1994
- Affects over 160 communities in two northern provinces
- Individual households contract PV service and Soluz installs and maintains all systems for set monthly fees
- US\$1.3M invested to date.



Soluz Dominicana technician with a PV fee-for-service customer



Installation of REGAE financed wind-electric water pumping system

Electrical Energy Sector Restructuring Project (EESRP)

- Winrock International/REGAE
- Promotion and commercialization of small wind-hydro power generators for village power and other applications under USAID are financed by EESRP
- Began October 1996
- Countrywide
- Providing technical assistance and loans to project developers, companies, NGOs, and individuals
- US\$3.0M (\$700,000 loan/lease fund).

Renewable Energy Community Water Delivery

- ADESOL (Solar Energy Development Association) and Inc./Enersol Associates, Inc.
- PV, wind-electric community water systems
- Began in 1993
- Countrywide: six communities—over 1,200 people
- Donations cover civil works; ADESOL finances commercially supplied RE water systems with revolving loans
- US\$200,000 to date.



Typical ADESOL financed systems supply 2,000 gallons of water per day for 200 people